

2185
#2
IDS
MMA
6/17/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Seongbae Park
Assignee: Sun Microsystems, Inc.
Title: HEURISTIC TO IMPROVE REGISTER ALLOCATION USING
PASS DEGREE
Serial No.: 10/037,901 Filed: October 19, 2001
Examiner: Unknown Group Art Unknown
Unit:
Docket No.: P-7062

RECEIVED

Monterey, CA
February 20, 2002

MAR 15 2002

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Technology Center 2100

INFORMATION DISCLOSURE STATEMENT
UNDER §1.97(b)

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant wishes to call the following documents (a copy of each is enclosed) to the attention of the Examiner.

U.S. PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME
1)	6,009,272	12/28/99	Goebel
2)	4,571,678	02/18/86	Chaitin

OTHER DOCUMENTS

1)	PLDI, Andrew W. Appell and Lal George, "Optimal Spilling for CISC Machines with Few Registers", pp. 243-253, 2001, Snowbird, UT
2)	SIGPLAN '99 (PLDI), Steven R. Vegdahl, "Using Node Merging to Enhance Graph Coloring", pp. 150-154, 5/99, Atlanta, GA
3)	Association for Computing Machinery (ACM), Preston Briggs, et al., "Coloring Heuristics for Register Allocation", pp. 275-284, 1989
4)	Pergamon Press, Ltd., Gregory Chaitin, et al.; "Register Allocation via Coloring", pp. 47-57, Computer Languages, Vol. 6, No. 1, 1981, Great Britain
5)	Morgan Kaufmann Publishers, Steven S. Muchnick, "Advanced Compiler Design & Implementation", Chapter 16 - Register Allocation, pp. 481-530, 1997, San Francisco, CA

A PTO form 1449 listing these documents is enclosed.

Citation of the above documents shall not be construed as:

1. an admission that the documents are necessarily prior art with respect to the instant invention;
2. a representation that a search has been made, other than as described above; or
3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

If the U.S.P.T.O. issued a first office action prior to the mailing date of this paper, the Commissioner is hereby authorized to charge any fees required for consideration of

///

///

///

///

///

///

///

///

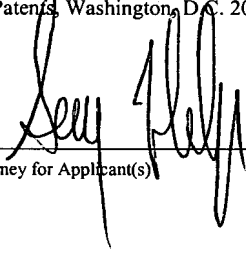
///

///

this Information Disclosure Statement, and to credit any overpayment of fees to Deposit Account No. 50-0553.

CERTIFICATE OF MAILING

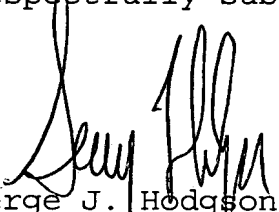
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage for First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on February 20, 2002.



Attorney for Applicant(s)

February 20, 2002
Date of Signature

Respectfully submitted,


Serge J. Hodgson
Attorney for Applicant(s)
Reg. No. 40,017
(831) 655-0880

Form PTO-1449

Atty Docket No.

Serial No.

P-7062

10/037,901

Applicant(s)

Seongbae Park

Filing Date

October 19, 2001

Group

Unknown

INFORMATION DISCLOSURE CITATION

IN AN APPLICATION

(Attach several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,009,272	12/28/99	Goebel	395	709	06/30/97
	AB	4,571,678	02/18/86	Chaitin	364	300	11/05/82
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED

MAR 15 2002

Technology Center 2100

FOREIGN PATENT DOCUMENTS

							Translation	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	PLDI, Andrew W. Appell and Lal George, "Optimal Spilling for CISC Machines with Few Registers", pp. 243-253, 2001, Snowbird, UT
AS	SIGPLAN '99 (PLDI), Steven R. Vegdahl, "Using Node Merging to Enhance Graph Coloring", pp. 150-154, 5/99, Atlanta, GA
AT	Association for Computing Machinery (ACM), Preston Briggs, et al., "Coloring Heuristics for Register Allocation", pp. 275-284, 1989

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Form PTO-1449

Atty Docket No.

Serial No.

P-7062

10/037,901

INFORMATION DISCLOSURE CITATION

IN AN APPLICATION

Applicant(s)

Seongbae Park

Filing Date

October 19, 2001

Group

Unknown

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED

MAR 15 2002

Technology Center 2100

FOREIGN PATENT DOCUMENTS

							Translation	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Pergamon Press, Ltd., Gregory Chaitin, et al.; "Register Allocation via Coloring", pp. 47-57, Computer Languages, Vol. 6, No. 1, 1981, Great Britain
AS	Morgan Kaufmann Publishers, Steven S. Muchnick, "Advanced Compiler Design & Implementation", Chapter 16, pp. 481-530, 1997, San Francisco, CA
AT	

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).